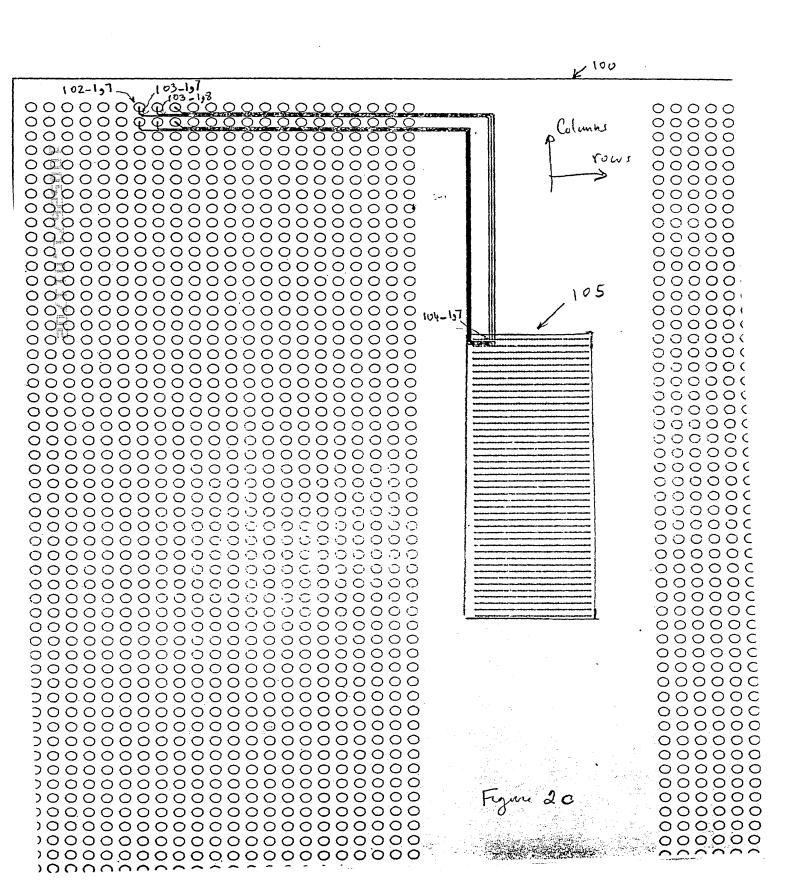
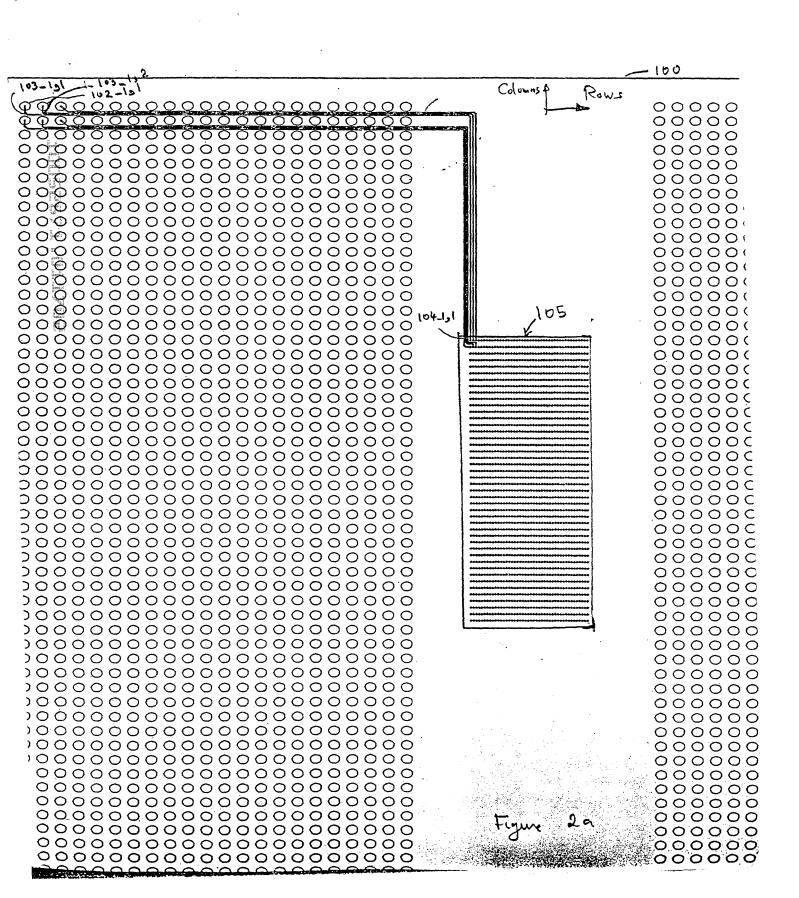
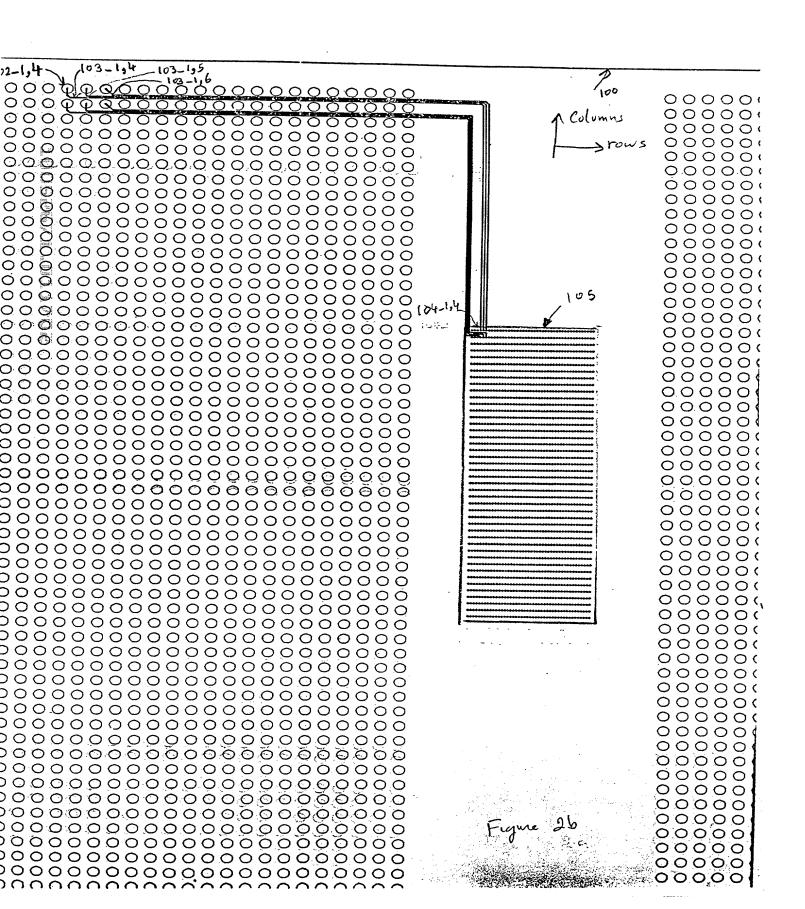
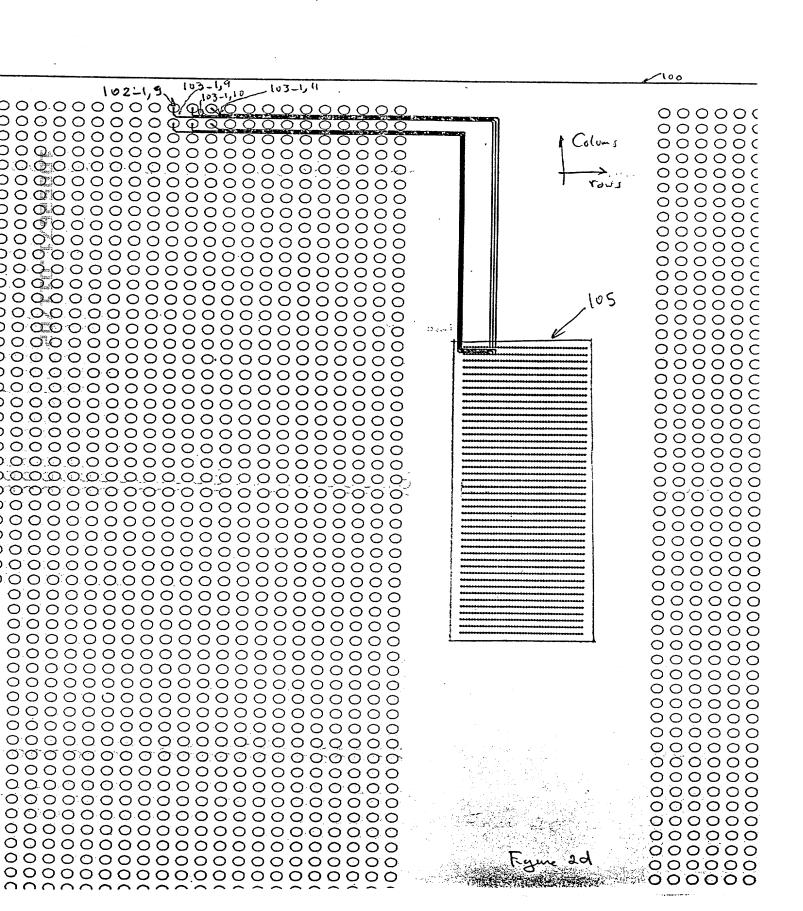


FIGURE 18







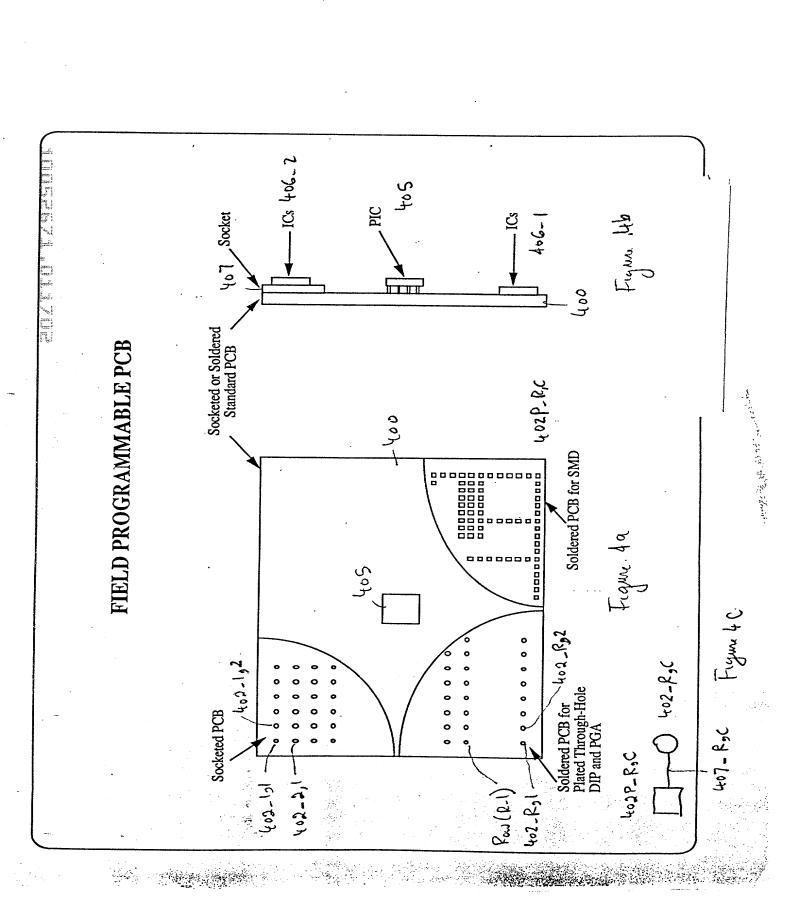


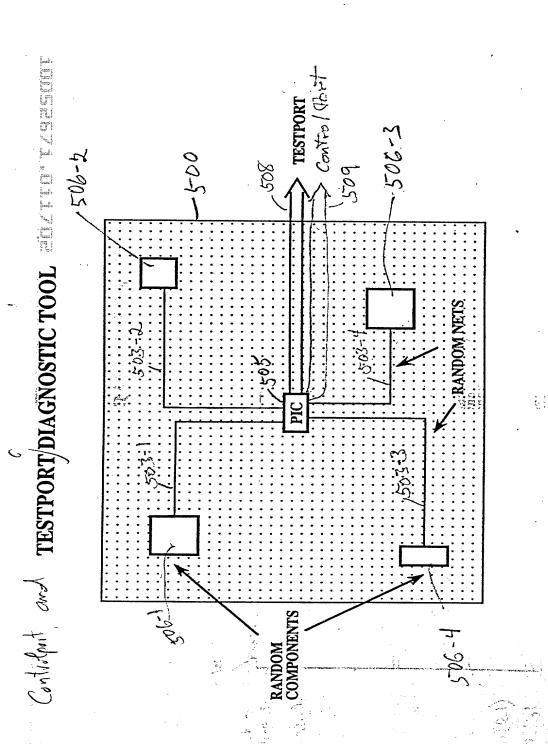
7300-7 -300-7 -300 FREEWAY SYSTEM Klext Neighbour 313-3 313-6 311-4

Figure 3 &

(510Da1

H (QOVOry





FIGURES

Repeated Cells in x-y chiedrons

Repeated Cells in x-y chiedrons

606-1,

606-1,

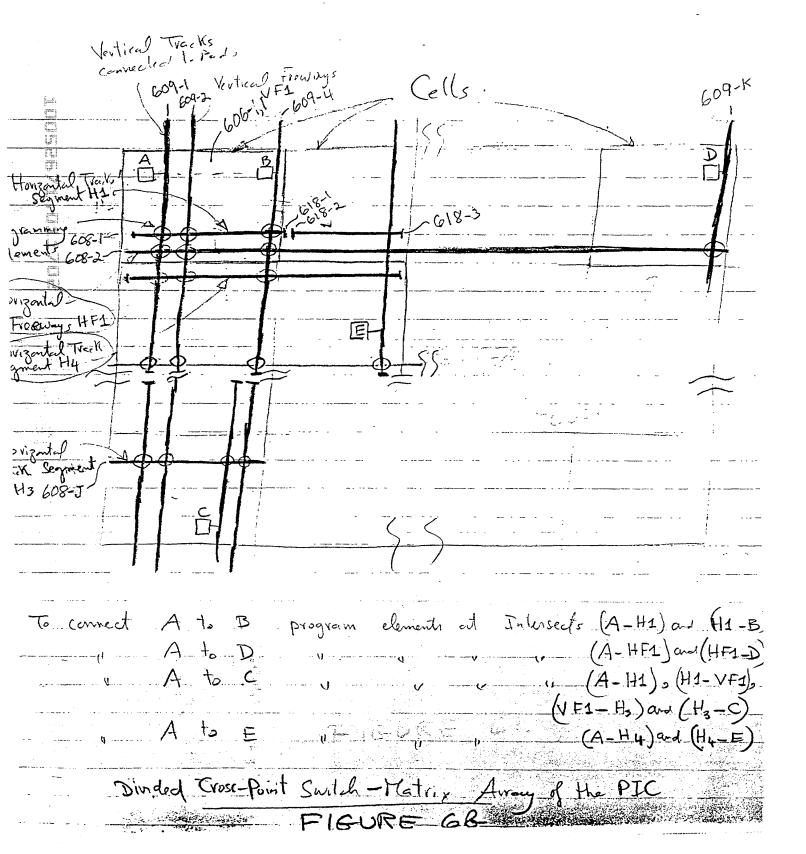
Connect to Feedtheough holes

The Programmable printed-Creek

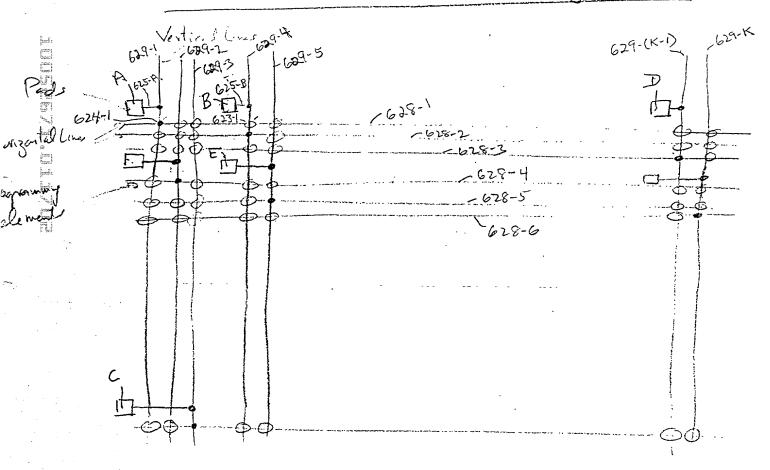
Connect to Feedtheough holes

Connect to F

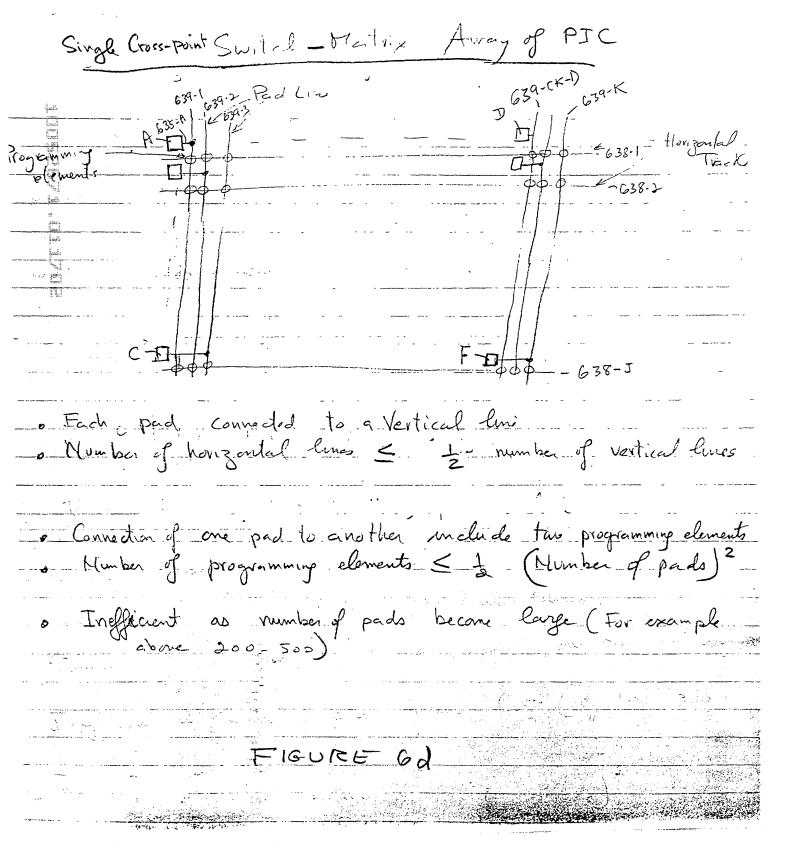
FIGURE 6a

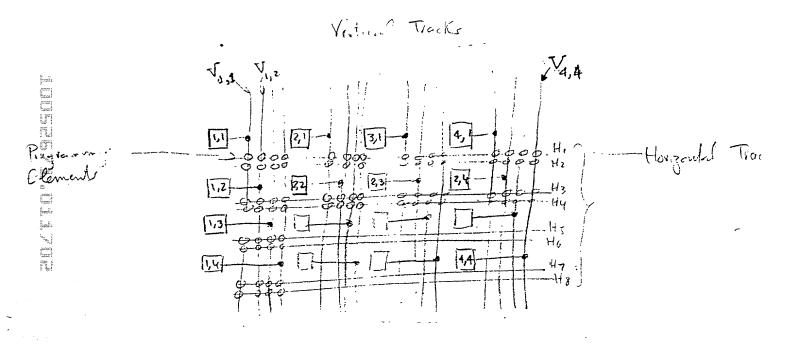


Single Cross-point Switch-Matrix Away of PIC



- · Each pad conneds to a vertical line.
- · Each vertical is convided to a horizontal lines
- . Conviction of one pad to another include one programmy element
- . Inefficient as number of pads become large (eg 100-300)
- To I ne mon forgant developments (No of Pade)





Single Cross-point Switch-Matrix Away For 16 pads

To connect pad (1,1) to pad (4,1)

Program elements at Intersects of (V1,1-H1) and (H1-V4,1)

To connect pad (1,2) to pad (4,4)
Program element at Interests of (V,2-H3) and (H3-V4,4)

FIGURE 6e

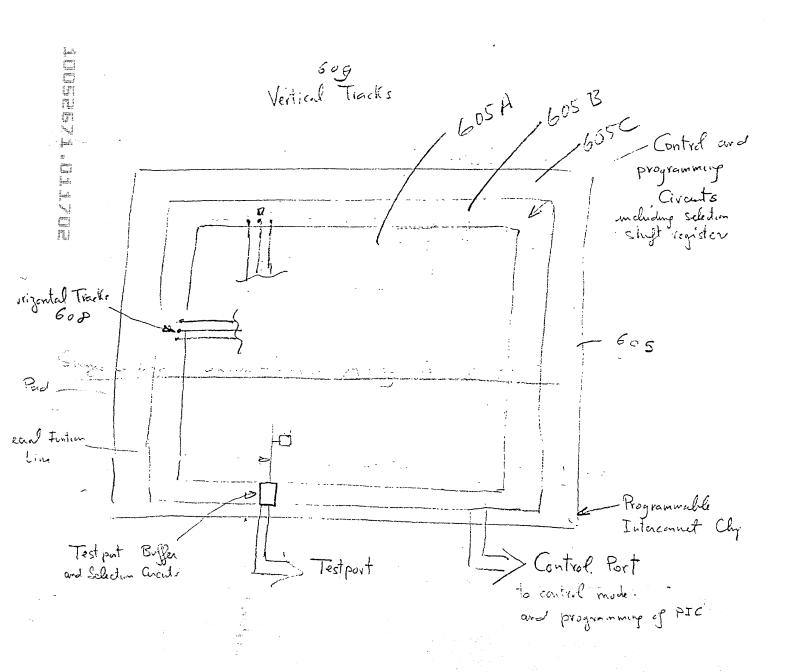
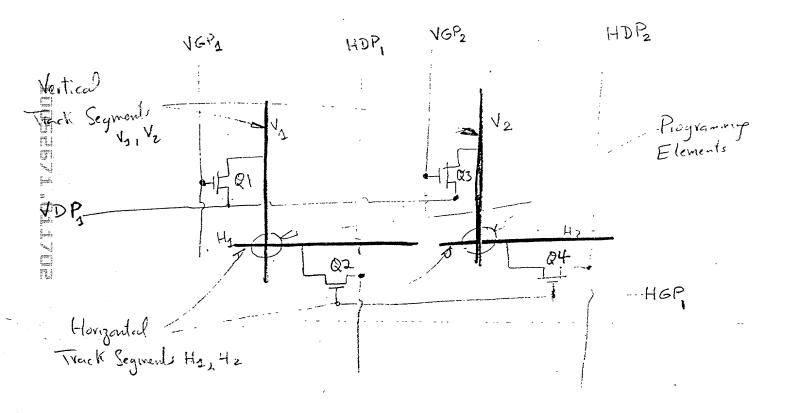


FIGURE 7a



Programming Scheme to Select How zontal and vitical segents in the PIC with only two transistor in Programming circuit path to allow current to reach hundreds of m Amps.

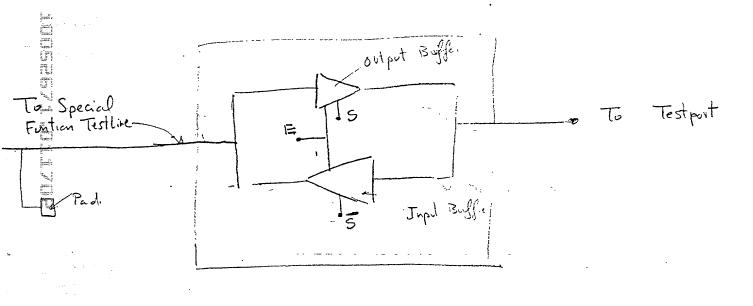
To program H₂ to V_1 , Take $VGP_1 = V_{GH}$, $VGP_2 = 0$, $VDP_1 = V_{PP}$ $HGP_1 = V_{GH}$ $HGP_2 = V_{GH}$ $HDP_3 = 0$ $HDP_4 = 0$

Where Vpp to the programming vollage ~ 15 to 50 Volls

VGH is larger than Vpp by transistor threshold vollage ~ 18 to 53 lel

Only Programmy element at Intersect of track segments H, and Y see the

Sull programmy vollage Vpp FIGURE TIL



S selects output or imput suffer.

E Selects the pad to connect to test port

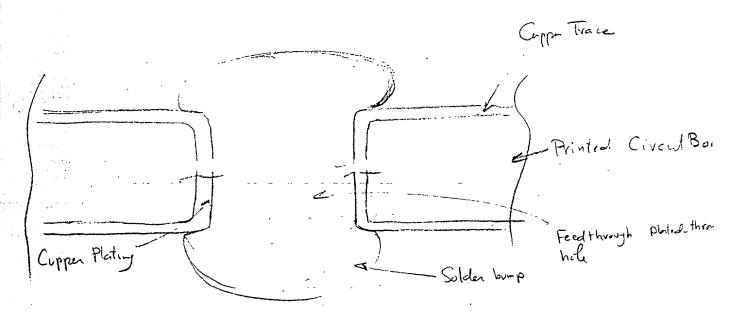
Brinted-Circuit Surface

PIC holes

PIC holes

Boffer Medium (1) Elastomovic material made of polymer with z-axis conductors

(2) Carrier of Button springs



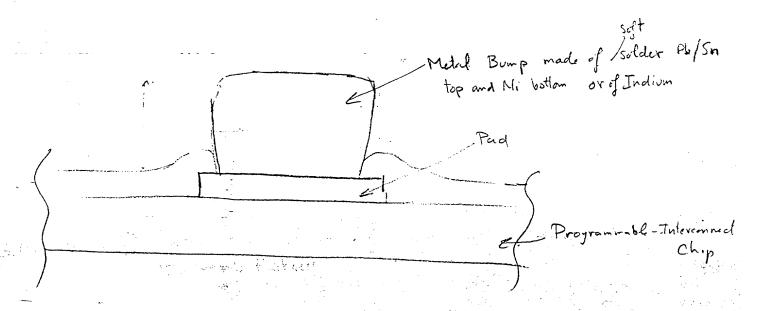


FIGURE 86